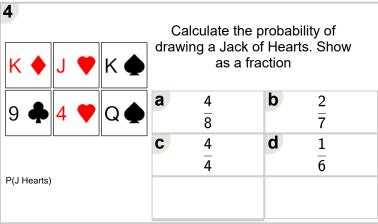# mobius

Math worksheet on *'Probability - Cards, From Hand, Pick One, To Fraction (Level 2)'*. Part of a broader unit on *'Probability and Statistics - Counting and Probability Foundations'*

Learn online: app.mobius.academy/math/units/probability_and_statistics_probability/

1

9 ♥	J ♣	K ♣
K ♣	K ♣	7 ♠
10 ♠		

P(K Clubs)

Calculate the probability of drawing a King of Clubs. Show as a fraction

a	$\frac{5}{6}$	**b**	$\frac{3}{9}$
c	$\frac{3}{7}$	**d**	$\frac{3}{6}$
e	$\frac{3}{5}$		

2

| 10♦ | 9 ♣ | 10♦ |
| 10♦ | 10♦ | 7 ♠ |

P(10 Diamonds)

Calculate the probability of drawing a 10 of Diamonds. Show as a fraction

a	$\frac{4}{6}$	**b**	$\frac{5}{8}$
c	$\frac{8}{6}$	**d**	$\frac{8}{4}$
e	$\frac{8}{5}$		

3

| 9 ♥ | 9 ♥ | 3 ♦ |
| 7 ♣ | 9 ♥ | |

P(9 Hearts)

Calculate the probability of drawing a 9 of Hearts. Show as a fraction

a	$\frac{2}{6}$	**b**	$\frac{4}{5}$
c	$\frac{3}{5}$	**d**	$\frac{4}{4}$
e	$\frac{6}{5}$		

4

| K ♦ | J ♥ | K ♠ |
| 9 ♣ | 4 ♥ | Q ♠ |

P(J Hearts)

Calculate the probability of drawing a Jack of Hearts. Show as a fraction

a	$\frac{4}{8}$	**b**	$\frac{2}{7}$
c	$\frac{4}{4}$	**d**	$\frac{1}{6}$

5

| 4 ♣ | 4 ♣ | Q ♠ |
| 9 ♥ | 4 ♣ | 9 ♠ |

P(4 Clubs)

Calculate the probability of drawing a 4 of Clubs. Show as a fraction

a	$\frac{3}{8}$	**b**	$\frac{1}{6}$
c	$\frac{2}{4}$	**d**	$\frac{3}{6}$
e	$\frac{6}{7}$		

6

6 ♦	6 ♥	8 ♦
A ♦	J ♣	6 ♥
6 ♥		

P(6 Hearts)

Calculate the probability of drawing a 6 of Hearts. Show as a fraction

a	$\frac{1}{9}$	**b**	$\frac{7}{8}$
c	$\frac{3}{7}$	**d**	$\frac{4}{9}$
e	$\frac{4}{5}$		

7

| 7 ♣ | 8 ♣ | 7 ♠ |
| 8 ♠ | | |

P(7 Spades)

Calculate the probability of drawing a 7 of Spades. Show as a fraction

a	$\frac{1}{4}$	**b**	$\frac{4}{6}$
c	$\frac{3}{4}$	**d**	$\frac{4}{5}$
e	$\frac{3}{5}$		